Toxicology, 77 (1993) 265–268
Elsevier Scientific Publishers Ireland Ltd.

TOXICOLOGY

SUBJECT INDEX

Volume 77 (1993)

N-acetyl-*S*-(1,2,3,4,4-pentachloro-1,3-butadienyl) L-cysteine, nephrotoxicity, halogenated alkenes, hexachloro-1,3-butadiene, cysteine conjugate β-lyase, glutamine transaminase K, enzyme induction and inhibition, 133
β-alanine, taurine, carbon tetrachloride, hepatotoxicity, liver, increased susceptibility, 7
antioxidant, butylated hydroxyanisole (BHA), cytosolic calcium, endothelial cells, 115
apomorphine, organic solvent, *N*-propylnorapomorphine, dopamine receptor, locomotion, spatial learning, 223
apoptosis, thymocytes, 2,3,7,8-tetrachlorodibenzo-*p*-dioxin, arylhydrocarbon (Ah) receptor, 103
arachidonic acid, toxic oil syndrome, fatty acid anilides, endothelial cells, eicosanoids, 51
arsenic, disodium arsenate, gallbladder, cholecystitis, rainbow trout, 233
arylhydrocarbon (Ah) receptor, thymocytes, apoptosis, 2,3,7,8-tetrachlorodibenzo-*p*-dioxin, 103
atractyloside, nephrotoxin, proximal tubular toxin, hypoglycemia, hypoxemia, glucosuria, dogs, 259

behaviour, neurotoxicity, 1,1,1-trichloro-2,2-bis-(*p*-chlorophenyl)-ethane (DDT), pyrethroid, interaction, muscarinic receptors, 21
N-benzyl-D-glucamine dithiocarbamate, chemical form, inorganic mercury, D-penicillamine, 2,3-dimercaptopropanol, biliary and urinary excretion, intestinal reabsorption, 157
biliary and urinary excretion, chemical form, inorganic mercury, *N*-benzyl-D-glucamine dithiocarbamate, D-penicillamine, 2,3-dimercaptopropanol, intestinal reabsorption, 157
butylated hydroxyanisole (BHA), antioxidant, cytosolic calcium, endothelial cells, 115
C57BL/6 mice, coplanar PCBs, teratogenicity, immunotoxicity, 123

cadmium nephrotoxicity, glomerulus, mesangial cell, glutathione, metallothionein, 145
cadmium, nickel, toxicity, cytoskeleton, protein sulfhydryls, glutathione, 65
carbon tetrachloride, taurine, β-alanine, hepatotoxicity, liver, increased susceptibility, 7
carcinogenicity, risk assessment, porphyria, mixtures, relative potency, threshold, chlorinated dibenzo-*p*-dioxins, 39
cardiotoxicity, doxorubicin, mitoxantrone, lipoperoxidation, chemiluminescence, oxidative stress, 31
cell proliferation, *N*-nitrosodiethylamine (DEN), Syrian golden hamster, lung tumors, ozone, tumor modulation, 193
chemical form, inorganic mercury, *N*-benzyl-D-glucamine dithiocarbamate, D-penicillamine, 2,3-dimercaptopropanol, biliary and urinary excretion, intestinal reabsorption, 157
chemiluminescence, doxorubicin, mitoxantrone, cardiotoxicity, lipoperoxidation, oxidative stress, 31
chlorinated dibenzo-*p*-dioxins, risk assessment, porphyria, mixtures, relative potency, carcinogenicity, threshold, 39
chlorinated paraffins, hepatic peroxisome proliferation, thyroid, 81
cholecystitis, arsenic, disodium arsenate, gallbladder, rainbow trout, 233
chromium, cytotoxicity, unscheduled DNA synthesis (UDS), DNA strand breaks, hepatocyte, 171
colloidal amorphous silica, epithelioid cell granulomas, colloidal amorphous silica, silicotic nodules, colloidal amorphous silica, particle transmigration, colloidal amorphous silica, pulmonary lesions, 205
colloidal amorphous silica, particle transmigration, colloidal amorphous silica, silicotic nodules, colloidal amorphous silica, epithelioid cell granulomas, colloidal amorphous silica, pulmonary lesions, 205
colloidal amorphous silica, pulmonary lesions, colloidal amorphous silica, silicotic nodules, colloidal amorphous silica, particle transmigration, colloidal amorphous silica, epithelioid cell granulomas, 205

colloidal amorphous silica, silicotic nodules, colloidal amorphous silica, particle transmigration, colloidal amorphous silica, epithelioid cell granulomas, colloidal amorphous silica, pulmonary lesions, 205
contact sensitization, local lymph node responses, dendritic cells, percutaneous absorption, sodium lauryl sulphate, 2,4-dinitrochlorobenzene, 181
coplanar PCBs, C57BL/6 mice, teratogenicity, immunotoxicity, 123
cysteine conjugate β-lyase, nephrotoxicity, halogenated alkenes, hexachloro-1,3-butadiene, *N*-acetyl-*S*-(1,2,3,4,4-pentachloro-1,3-butadienyl)-L-cysteine, glutamine transaminase K, enzyme induction and inhibition, 133
cytoskeleton, cadmium, nickel, toxicity, protein sulfhydryls, glutathione, 65
cytosolic calcium, butylated hydroxyanisole (BHA), antioxidant, endothelial cells, 115
cytotoxicity, chromium, unscheduled DNA synthesis (UDS), DNA strand breaks, hepatocyte, 171

D-penicillamine, chemical form, inorganic mercury, *N*-benzyl-D-glucamine dithiocarbamate, 2,3-dimercaptopropanol, biliary and urinary excretion, intestinal reabsorption, 157
dendritic cells, contact sensitization, local lymph node responses, percutaneous absorption, sodium lauryl sulphate, 2,4-dinitrochlorobenzene, 181
2,3-dimercaptopropanol, chemical form, inorganic mercury, *N*-benzyl-D-glucamine dithiocarbamate, D-penicillamine, biliary and urinary excretion, intestinal reabsorption, 157
2,4-dinitrochlorobenzene, contact sensitization, local lymph node responses, dendritic cells, percutaneous absorption, sodium lauryl sulphate, 181
disodium arsenate, arsenic, gallbladder, cholecystitis, rainbow trout, 233
DNA strand breaks, chromium, cytotoxicity, unscheduled DNA synthesis (UDS), hepatocyte, 171
dogs, atractyloside, nephrotoxin, proximalular toxin, hypoglycemia, hypoxemia, glucosuria, 259
dopamine receptor, organic solvent, apomorphine, *N*-propylnorapomorphine, locomotion, spatial learning, 223
doxorubicin, mitoxantrone, cardiotoxicity, lipoperoxidation, chemiluminescence, oxidative stress, 31
eicosanoids, toxic oil syndrome, fatty acid anilides, endothelial cells, arachidonic acid, 51
endothelial cells, butylated hydroxyanisole (BHA), antioxidant, cytosolic calcium, 115
endothelial cells, toxic oil syndrome, fatty acid anilides, eicosanoids, arachidonic acid, 51
enzyme activity, 2,3,7,8-tetrachlorodibenzo-*p*-dioxin, phosphoenolpyruvate carboxykinase, PEPCK mRNA, tryptophan 2,3-dioxygenase, P-450 1A1, 295
enzyme induction and inhibition, nephrotoxicity, halogenated alkenes, hexachloro-1,3-butadiene, *N*-acetyl-*S*-(1,2,3,4,4-pentachloro-1,3-butadienyl)-L-cysteine, cysteine conjugate β-lyase, glutamine transaminase K, 133

fatty acid anilides, toxic oil syndrome, endothelial cells, eicosanoids, arachidonic acid, 51
fetal development, α-melanocyte stimulating hormone (MSH), pigmentation, 91

gallbladder, arsenic, disodium arsenate, cholecystitis, rainbow trout, 233
glomerulus, cadmium nephrotoxicity, mesangial cell, glutathione, metallothionein, 145
glucosuria, atractyloside, nephrotoxin, proximal tubular toxin, hypoglycemia, hypoxemia, dogs, 259
glutamine transaminase K, nephrotoxicity, halogenated alkenes, hexachloro-1,3-butadiene, *N*-acetyl-S-(1,2,3,4,4-pentachloro-1,3-butadienyl)-L-cysteine, cysteine conjugate β-lyase, enzyme induction and inhibition, 133
glutathione, cadmium nephrotoxicity, glomerulus, mesangial cell, metallothionein, 145
glutathione, cadmium, nickel, toxicity, cytoskeleton, protein sulfhydryls, 65

halogenated alkenes, L-cysteine conjugates, mercapturic acids, nephrotoxicity, rat renal slice, 281
halogenated alkenes, nephrotoxicity, hexachloro-1,3-butadiene, *N*-acetyl-*S*-(1,2,3,4,4-pentachloro-1,3-butadienyl)-L-cysteine, cysteine conjugate β-lyase, glutamine transaminase K, enzyme induction and inhibition, 133
haloperidol, lipoperoxidation, kidney homogenates, lactic acid, iron, 249
hepatic peroxisome proliferation, chlorinated paraffins, thyroid, 81
hepatocyte, chromium, cytotoxicity, unscheduled DNA synthesis (UDS), DNA strand breaks, 171

hepatotoxicity, taurine, β-alanine, carbon tetrachloride, liver, increased susceptibility, 7
hepatotoxicity, taurine, liver, urinary marker, prediction of susceptibility, 1
hexachloro-1,3-butadiene, nephrotoxicity, halogenated alkenes, *N*-acetyl-*S*-(1,2,3,4,4-pentachloro-1,3-butadienyl)-L-cysteine, cysteine conjugate β-lyase, glutamine transaminase K, enzyme induction and inhibition, 133
hypoglycemia, hypoxemia, atractyloside, nephrotoxin, proximal tubular toxin, glucosuria, dogs, 259
hypoxemia, atractyloside, nephrotoxin, proximal tubular toxin, glucosuria, dogs, hypoglycemia, 259

immunotoxicity, C57BL/6 mice, coplanar PCBs, teratogenicity, 123
increased susceptibility, taurine, β-alanine, carbon tetrachloride, hepatotoxicity, liver, 7
inorganic mercury, chemical form, *N*-benzyl-D-glucamine dithiocarbamate, D-penicillamine, 2,3-dimercaptopropanol, biliary and urinary excretion, intestinal reabsorption, 157
interaction, neurotoxicity, 1,1,1-trichloro-2,2-bis(*p*-chlorophenyl)-ethane (DDT), pyrethroid, behaviour, muscarinic receptors, 21
intestinal reabsorption, chemical form, inorganic mercury, *N*-benzyl-D-glucamine dithiocarbamate, D-penicillamine, 2,3-dimercaptopropanol, biliary and urinary excretion, 157
iron, lipoperoxidation, kidney homogenates, lactic acid, haloperidol, 249

kidney homogenates, lipoperoxidation, lactic acid, iron, haloperidol, 249
L-cysteine conjugates, halogenated alkenes, mercapturic acids, nephrotoxicity, rat renal slice, 281

lactic acid, lipoperoxidation, kidney homogenates, iron, haloperidol, 249
lipoperoxidation, doxorubicin, mitoxantrone, cardiotoxicity, chemiluminescence, oxidative stress, 31
lipoperoxidation, kidney homogenates, lactic acid, iron, haloperidol, 249
liver, taurine, β-alanine, carbon tetrachloride, hepatotoxicity, increased susceptibility, 7
liver, taurine, hepatotoxicity, urinary marker, prediction of susceptibility, 1
local lymph node responses, contact sensitization, dendritic cells, percutaneous absorption, sodium lauryl sulphate, 2,4-dinitrochlorobenzene, 181
locomotion, organic solvent, apomorphine, *N*-propylnorapomorphine, dopamine receptor, spatial learning, 223
lung tumors, *N*-nitrosodiethylamine (DEN), Syrian golden hamster, ozone, cell proliferation, tumor modulation, 193

α-melanocyte stimulating hormone (MSH), pigmentation, fetal development, 91
mercapturic acids, halogenated alkenes, L-cysteine conjugates, nephrotoxicity, rat renal slice, 281
mesangial cell, cadmium nephrotoxicity, glomerulus, glutathione, metallothionein, 145
metallothionein, cadmium nephrotoxicity, glomerulus, mesangial cell, glutathione, 145
mitoxantrone, doxorubicin, cardiotoxicity, lipoperoxidation, chemiluminescence, oxidative stress, 31
mixtures, risk assessment, porphyria, relative potency, carcinogenicity, threshold, chlorinated dibenzo-*p*-dioxins, 39
muscarinic receptors, neurotoxicity, 1,1,1-trichloro-2,2-bis(*p*-chlorophenyl)-ethane (DDT), pyrethroid, interaction, behaviour, 21

N-propylnorapomorphine, organic solvent, apomorphine, dopamine receptor, locomotion, spatial learning, 223
N-nitrosodiethylamine (DEN), Syrian golden hamster, lung tumors, ozone, cell proliferation, tumor modulation, 193
nephrotoxicity, halogenated alkenes, hexachloro-1,3-butadiene, *N*-acetyl-*S*-(1,2,3,4,4-pentachloro-1,3-butadienyl)-L-cysteine, cysteine conjugate β-lyase, glutamine transaminase K, enzyme induction and inhibition, 133
nephrotoxicity, halogenated alkenes, L-cysteine conjugates, mercapturic acids, rat renal slice, 281
nephrotoxin, atractyloside, proximal tubular toxin, hypoglycemia, hypoxemia, glucosuria, dogs, 259
neurotoxicity, 1,1,1-trichloro-2,2-bis(*p*-chlorophenyl)-ethane (DDT), pyrethroid, interaction, behaviour, muscarinic receptors, 21
nickel, cadmium, toxicity, cytoskeleton, protein sulfhydryls, glutathione, 65

organic solvent, apomorphine, *N*-propylnorapomorphine, dopamine receptor, locomotion, spatial learning, 223

oxidative stress, doxorubicin, mitoxantrone, cardiotoxicity, lipoperoxidation, chemiluminescence, 31
ozone, *N*-nitrosodiethylamine (DEN), Syrian golden hamster, lung tumors, cell proliferation, tumor modulation, 193

P-450 1A1, 2,3,7,8-tetrachlorodibenzo-*p*-dioxin, phosphoenolpyruvate carboxykinase, enzyme activity, PEPCK mRNA, tryptophan 2,3-dioxygenase, 295
PEPCK mRNA, 2,3,7,8-tetrachlorodibenzo-*p*-dioxin, phosphoenolpyruvate carboxykinase, enzyme activity, tryptophan 2,3-dioxygenase, P-450 1A1, 295
percutaneous absorption, contact sensitization, local lymph node responses, dendritic cells, sodium lauryl sulphate, 2,4-dinitrochlorobenzene, 181
phosphoenolpyruvate carboxykinase, 2,3,7,8-tetrachlorodibenzo-*p*-dioxin, enzyme activity, PEPCK mRNA, tryptophan 2,3-dioxygenase, P-450 1A1, 295
pigmentation, α-melanocyte stimulating hormone (MSH), fetal development, 91
porphyria, risk assessment, mixtures, relative potency, carcinogenicity, threshold, chlorinated dibenzo-*p*-dioxins, 39
prediction of susceptibility, taurine, liver, hepatotoxicity, urinary marker, 1
proximal tubular toxin, atractyloside, nephrotoxin, hypoglycemia, hypoxemia, glucosuria, dogs, 259
protein sulfhydryls, cadmium, nickel, toxicity, cytoskeleton, glutathione, 65
pyrethroid, neurotoxicity, 1,1,1-trichloro-2,2-bis(*p*-chlorophenyl)-ethane (DDT), interaction, behaviour, muscarinic receptors, 21

rainbow trout, arsenic, disodium arsenate, gallbladder, cholecystitis, 233
rat renal slice, halogenated alkenes, L-cysteine conjugates, mercapturic acids, nephrotoxicity, 281
relative potency, risk assessment, porphyria, mixtures, carcinogenicity, threshold, chlorinated dibenzo-*p*-dioxins, 39
risk assessment, porphyria, mixtures, relative potency, carcinogenicity, threshold, chlorinated dibenzo-*p*-dioxins, 39

sodium lauryl sulphate, contact sensitization, local lymph node responses, dendritic cells, percutaneous absorption, 2,4-dinitrochlorobenzene, 181
spatial learning, organic solvent, apomorphine, *N*-propylnorapomorphine, dopamine receptor, locomotion, 223
Syrian golden hamster, *N*-nitrosodiethylamine (DEN), lung tumors, ozone, cell proliferation, tumor modulation, 193
taurine, β-alanine, carbon tetrachloride, hepatotoxicity, liver, increased susceptibility, 7

taurine, liver, hepatotoxicity, urinary marker, prediction of susceptibility, 1
teratogenicity, C57BL/6 mice, coplanar PCBs, immunotoxicity, 123
2,3,7,8-tetrachlorodibenzo-*p*-dioxin, phosphoenolpyruvate carboxykinase, enzyme activity, PEPCK mRNA, tryptophan 2,3-dioxygenase, P-450 1A1, 295
3,7,8-tetrachlorodibenzo-*p*-dioxin, thymocytes, apoptosis, arylhydrocarbon (Ah) receptor, 103
threshold, risk assessment, porphyria, mixtures, relative potency, carcinogenicity, chlorinated dibenzo-*p*-dioxins, 39
thymocytes, apoptosis, 2,3,7,8-tetrachlorodibenzo-*p*-dioxin, arylhydrocarbon (Ah) receptor, 103
thyroid, chlorinated paraffins, hepatic peroxisome proliferation, 81
toxic oil syndrome, fatty acid anilides, endothelial cells, eicosanoids, arachidonic acid, 51
toxicity, cadmium, nickel, cytoskeleton, protein sulfhydryls, glutathione, 65
1,1,1-trichloro-2,2-bis(*p*-chlorophenyl)-ethane (DDT), neurotoxicity, pyrethroid, interaction, behaviour, muscarinic receptors, 21
tryptophan 2,3-dioxygenase, 2,3,7,8-tetrachlorodibenzo-*p*-dioxin, phosphoenolpyruvate carboxykinase, enzyme activity, PEPCK mRNA, P-450 1A1, 295
tumor modulation, *N*-nitrosodiethylamine (DEN), Syrian golden hamster, lung tumors, ozone, cell proliferation, 193

unscheduled DNA synthesis (UDS), chromium, cytotoxicity, DNA strand breaks, hepatocyte, 171
urinary marker, taurine, liver, hepatotoxicity, prediction of susceptibility, 1

Toxicology, 77 (1993) 269
Elsevier Scientific Publishers Ireland Ltd.

TOXICOLOGY

AUTHOR INDEX

Volume 77 (1993)

Abraham, M. 103
Adachi, T. 157
Ahlbom, J. 21
Arnaiz, S.L. 31

Basketter, D.A. 181
Beer, D.G. 295
Bettger, W.J. 233
Binks, S.P. 171

de Castellarnau, C. 51
Chin, T.A. 145
Chipman, J.K. 171
Chou, I.-N. 65
Cockell, K.A. 233
Commandeur, J.N.M. 281
Coutts, C.T. 81
Cumberbatch, M. 181

David, M. 115
David, M. 133
Dawson, B.V. 91
Dearman, R.J. 181
Dorr, R.T. 91
Doull, J. 39

Elcombe, C.R. 81
von Euler, G. 223
Eriksson, P. 21

Fauconneau, B. 249
Ford, C.A. 91
Fredriksson, A. 21
Fukudome, S. 157
Funakoshi, T. 157
Fuxe, K. 223

Gandolfi, A.J. 281
Gao, M. 171
Gibson, G.G. 133
Goldfarb, P.S. 133
Greim, H. 39
Gustafsson, J.–8f-. 223

Hilton, J. 181
Holloway, H. 91
Horvath, G. 115
Howie, L. 123
Huguet, F. 249

Johansson, U. 21
Johnson, P. 91

Kelly, D.P. 205
Kimber, I. 181
King, L.J. 133
Kiyozumi, M. 157
Koechel, D.A. 259
Kojima, S. 157
Krejci, M.E. 259
Kurl, R.N. 103

Lagunas, C. 51
Lee, K.P. 205
Levy, L.S. 171
Li, W. 65
Li, X.M. 223
Llesuy, S. 31
Lock, E.A. 133
López, S. 51

MacFarlane, M. 133
Mayura, K. 123
McGuinness, S. 281
Mueller, M.M. 115

Nagy, I. 115

Olnes, M.J. 103
Ögren, S.-O. 223

Parker, N. 133
Phillips, T.D. 123
Pich, I. 51
Piriou, A. 249
Plopper, C.G. 193
Pontcharraud, R. 249

Roelandt, L. 133
Roth, W.L. 39
Rozman, K. 295
Rozman, K. 39

Safe, S. 123
Scales, M.D.C. 1
Scales, M.D.C. 7
Schimke, I. 115
Schofield, M. 133
Scholes, E.W. 181
Scott, R.C. 181
Shimada, H. 157
Spainhour, C.B. 123
Stahl, B.U. 295
Stahl, B.U. 39
Stijntjes, G.J. 281

Tallineau, C. 249
te Koppele, J.M. 281
Templeton, D.M. 145
Timbrell, J.A. 1
Timbrell, J.A. 7
Turton, J.A. 1
Turton, J.A. 7

Vermeulen, N.P.E. 281
Vila, L. 51

Waterfield, C.J. 1
Waterfield, C.J. 7
Weber, L.W.D. 295
Wilson, D.W. 193
Witshci, H. 193
Wyatt, I. 81

Yasutake, A. 157

Zhao, Y. 65